

**UTILITY PATENT APPLICATION TRANSMITTAL
(Small Entity)***(Only for new nonprovisional applications under 37 CFR 1.53(b))*Docket No.
1442.026Total Pages in this Submission
4**TO THE ASSISTANT COMMISSIONER FOR PATENTS****Box Patent Application
Washington, D.C. 20231**

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

FLUID FLOW SYSTEM

and invented by:

Anthony BRENNAN and W. John GARDENIER

If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 18 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications (if applicable)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
 - d. ☐ Reference to Microfiche Appendix (if applicable)
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (if drawings filed)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
1442.026

Total Pages in this Submission
4

Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)

a. ☒ Formal b. ☐ Informal Number of Sheets 5

4. ☒ Oath or Declaration

a. ☒ Newly executed (original or copy) ☐ Unexecuted

b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)

c. ☒ With Power of Attorney ☐ Without Power of Attorney

d. ☐ DELETION OF INVENTOR(S)

Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).

5. ☐ Incorporation By Reference (usable if Box 4b is checked)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Computer Program in Microfiche

7. ☐ Genetic Sequence Submission (if applicable, all must be included)

a. ☐ Paper Copy

b. ☐ Computer Readable Copy

c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☒ Assignment Papers (cover sheet & documents)

9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee)

10. ☐ English Translation Document (if applicable)

11. ☒ Information Disclosure Statement/PTO-1449 ☒ Copies of IDS Citations

12. ☐ Preliminary Amendment

13. ☒ Acknowledgment postcard

14. ☒ Certificate of Mailing

☐ First Class ☒ Express Mail (Specify Label No.): EV 012828616 US

UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.

1442.026

Total Pages in this Submission

4

Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Small Entity Statement(s) - Specify Number of Statements Submitted: 1 Assertion
17. ☒ Additional Enclosures (please identify below):

EFS Application Data Sheet (1 page)

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. ☒ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

UTILITY PATENT APPLICATION TRANSMITTAL
(Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.

1442.026

Total Pages in this Submission

4

Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	41	- 20 =	21	x \$9.00	\$189.00
Indep. Claims	5	- 3 =	2	x \$42.00	\$84.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$370.00
OTHER FEE (specify purpose) Assignment Recordation					\$40.00
TOTAL FILING FEE					\$683.00

- ☒ A check in the amount of \$683.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 08-1935 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: January 23, 2002


Signature

VICTOR A. CARDONA, ESQ.
Attorney for Applicants - Registration No. 44,589

HESLIN ROTHENBERG FARLEY & MESITI P.C.
5 Columbia Circle
Albany, New York 12203
Phone: 518-452-5600
Fax: 518-452-5579

CC:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Brennan et al.

Serial No.: Unassigned

Group Art Unit: Unassigned

Filed: Herewith

Examiner: Unassigned

Title: FLUID FLOW SYSTEM

To: Attn: **BOX PATENT APPLICATION**
Assistant Commissioner for Patents
Washington, D.C. 20231

ASSERTION OF SMALL ENTITY STATUS UNDER 37 C.F.R. § 1.27(c)(2)

Dear Sir:

The applicants in the above-identified application are entitled to small entity status.

Respectfully submitted,



Victor A. Cardona, Esq.
Attorney for Applicant
Registration No. 44,589

Dated: January 23, 2002

HESLIN ROTHENBERG FARLEY & MESITI P.C.

5 Columbia Circle

Albany, New York 12203

Telephone: (518) 452-5600

Facsimile: (518) 452-5579

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

In Re Application of **Anthony Brennan and W. John Gardenier**

Title: **FLUID FLOW SYSTEM**

Attorney Docket No.: **1442.026**

"EXPRESS MAIL" MAILING LABEL NO. **EV 012828616 US**


Date of Deposit: **January 23, 2002**

I hereby certify that this paper is being deposited with the U.S. Postal Service
"Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date
indicated above and addressed to:

**BOX PATENT APPLICATION
ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231**

CHRISTINE M. ADKINS

(Typed or printed name of person mailing paper or fee)


(Signature of person mailing paper or fee)

DOCUMENTS INCLUDED:

- * One (1) Acknowledgment Postcard
- * Certificate of Mailing by "Express Mail" Label No. **EV 012828616 US**
- * Check in the Amount of \$683.00 (\$643.00 - Application Filing Fee / \$40.00 - Assignment Recordation Fee)
- * Small Entity Utility Patent Application Transmittal Letter (4 pages) (in duplicate)
- * U.S. Patent Application which includes:
 - Specification (18 pages, including 41 Claims and Abstract
- * Formal Drawings (5 Pages) (5 Figures)
- * Executed Declaration and Power of Attorney for Patent Application (3 pages)
- * Assignment and Assignment Recordation Cover Sheet (3 pages)
- * Assertion of Small Entity Status Under 37 C.F.R. § 1.27(c)(2) (1 page)
- * EFS Application Data Sheet (1 page)
- * Information Disclosure Citation (2 pages) with 12 cited references